MITSUBISHI ELECTRIC

Mr.SLIM®
Split-ductless A/C and Heat Pumps

SUBMITTAL DATA: MXZ-2A20NA

MULTI-INDOOR INVERTER HEAT-PUMP SYSTEM

Job Name: Location: Date:

Purchaser: Engineer:

Submitted to: For ☐ Reference ☐ Approval ☐ Construction

Unit Designation: Schedule No.:

GENERAL FEATURES

- Compact side discharge outdoor unit
- Wireless or wired remote controller, depending on the indoor units used
- Quiet operation—both indoor and outdoor units
- Automatic fan speed control
- Auto restart following a power outage
- Self-check function—integrated diagnostics
- Advanced microprocessor control
- Limited warranty: one year on parts and defects and six years on compressor

Outdoor Unit: MXZ-2A20NA

OPTIONAL OUTDOOR UNIT ACCESSORY

- Air Outlet Guide (MAC-889SG)

Cooling*
Rated Capacity (Non-ducted/Ducted) . . . 20,000 Btu/h / 20,000 Btu/h
Minimum Capacity (Non-ducted/Ducted) . . 7,800 Btu/h / 7,800 Btu/h
Total Input (Non-ducted/Ducted) . . . . . 2,150 W / 2,150 W

Heating at 47°F*
Rated Capacity (Non-ducted/Ducted) . . . 22,000 Btu/h / 22,000 Btu/h
Minimum Capacity (Non-ducted/Ducted) . . 8,500 Btu/h / 8,500 Btu/h
Total Input (Non-ducted/Ducted) . . . . . 1,780 W / 1,780 W

Heating at 17°F*
Rated Capacity (Non-ducted/Ducted). . 14,500 Btu/h / 12,500 Btu/h
Total Input (Non-ducted/Ducted). . . . . 1,500 W / 1,430 W

* Rating Conditions (Cooling) - Indoor: 80ºF (27ºC) DB / 67ºF (19ºC) WB. Outdoor: 95ºF (35ºC) DB / 75ºF (24ºC) WB.
(Heating) - Indoor: 70ºF (21ºC) DB / 60ºF (16ºC) WB. Outdoor: 47ºF (8ºC) DB / 43ºF (6ºC) WB.
(Heating at 17ºF) - Indoor: 70ºF (21ºC) DB / 60ºF (16ºC) WB. Outdoor: 17ºF (-8ºC) DB / 15ºF (-9ºC) WB.

(For data on specific indoor units [all ducted, all non-ducted, and both ducted and non-ducted] combinations, see the MXZ Technical and Service Manual.)

Electrical Requirements
Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz
Breaker Size . . . . . 20 A
MCA . . . . . 15 A

Voltage
Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . DC 12 - 24V

OPERATING RANGE

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95ºF (35ºC) DB, 71ºF (22ºC) WB	115ºF (46ºC) DB
	Minimum	67ºF (19ºC) DB, 57ºF (14ºC) WB	14ºF (-10ºC) DB
Heating	Maximum	80ºF (27ºC) DB, 67ºF (19ºC) WB	75ºF (24ºC) DB, 65ºF (18ºC) WB
	Minimum	70ºF (21ºC) DB, 60ºF (16ºC) WB	14ºF (-10ºC) DB, 12ºF (-11ºC) WB

Compressor . . . . . DC Inverter-driven Twin Rotary
Fan Motor . . . . . 0.96 F.L.A.

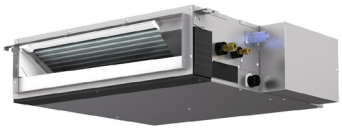
Sound Pressure Level
Cooling . . . . . 49 dB(A)
Heating . . . . . 51 dB(A)

DIMENSIONS	INCHES / MM
W	33-1/16 / 840
D	13 / 330
H	27-15/16 / 710

Weight . . . . . 130 lbs. / 59 kg
Refrigerant Type R410A
Refrigerant Pipe Size O.D. — Two Ports
Gas Side . . . . . A, B: 3/8" / 9.52 mm
Liquid Side . . . . . 1/4" / 6.35 mm
Max. Refrigerant Pipe Length . . . . . 164' / 50 m
Max. Refrigerant Pipe Height Difference
If Indoor Unit is Above Outdoor Unit . . . . . 49' / 15 m
If Indoor Unit is Below Outdoor Unit . . . . . 33' / 10 m
Connection Method . . . . . Flared

COMPATIBLE INDOOR UNITS AND ASSOCIATED REMOTE CONTROLLERS

Horizontal-ducted Indoor Units: SEZ-KD09, 12, 15, 18NA



Remote Controller PAR-21MAA - Packaged with SEZ

Wall-mounted Indoor Units: MSZ-A09, 12, 15, 17NA

Wall-mounted Indoor Units: MSZ-FD09, 12NA

Wireless Remote Controller - Packaged with MSZ-A and MSZ-FD (Optional Wired PAR-21MAA Remote Controller)

Refer to the separate submittal forms for the SEZ and MSZ Indoor Units.

MXZ-2A20NA ENERGY EFFICIENCIES

Indoor Unit Type	SEER	HSPF
Non-ducted	16	8.5
Ducted and Non-ducted	15.5	8.5
Ducted	15.5	8.5

MXZ-2A20 Combinations* (with wall-mounted and/or horizontal-ducted indoor units)

Indoor Unit (Unit A + Unit B) Combinations	Cooling Capacity (Btu/h) / Heating Capacity (Btu/h)			Power Usage (W)
	Unit A	Unit B	Total	
9 + 9	9,000	9,000	18,000	1,740 - 1,780
	10,900	10,900	21,800	1,820
9 + 12	8,500	11,500		
	9,500	12,500		
9 + 15	7,500	12,500	20,000	2,150 - 2,190
	8,250	13,750	22,000	1,780
12 + 12	10,000	10,000		
	11,000	11,000		

* Information provided at 208/230V.

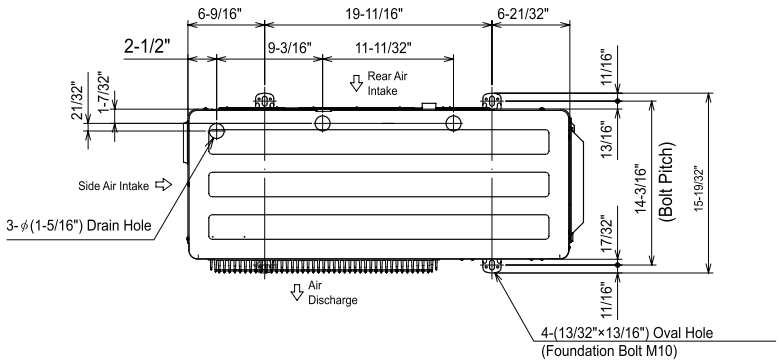
SYSTEM COMPONENTS

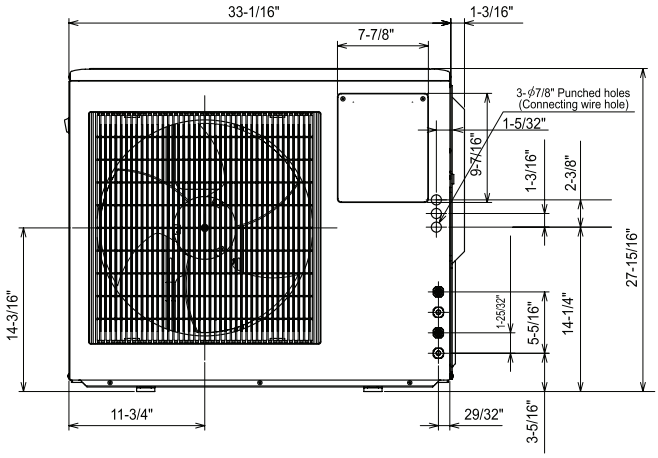
Outdoor Unit.....MXZ-2A20NA
Indoor Unit.....Two Indoor Units
Necessary (Select Style as Installation Requires)

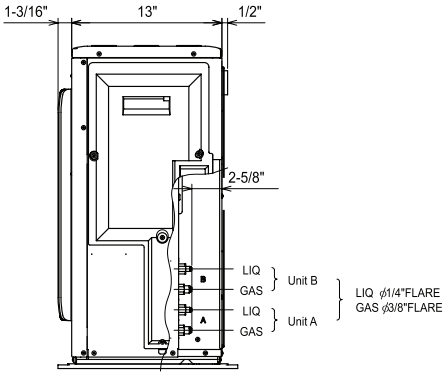
R410A INVERTER

DIMENSIONS: MXZ-2A20NA

Unit: inch

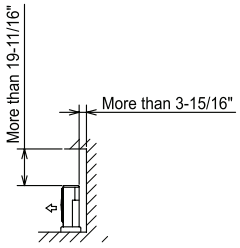




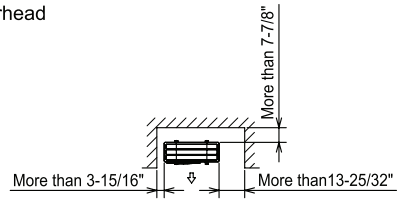


1.Installation space

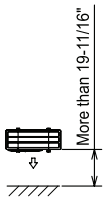
Note : Leave front and both sides clearance fully.

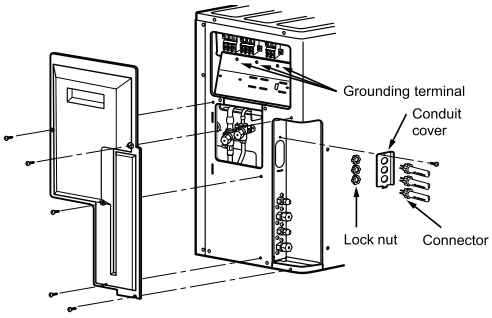


Note : Leave front and overhead clearance fully.

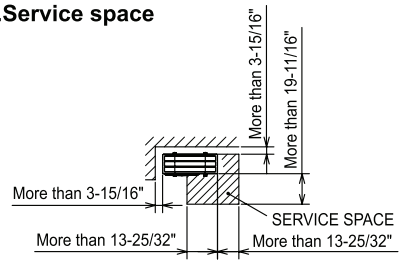


Note : Leave rear, overhead and both sides clearance fully.





2.Service space



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Specifications are subject to change without notice.

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